

IN THE SPECIFICATION

Please amend the paragraph on page 2, line 31 to page 3, line 3; as follows:

-- Preferably, assigning the first one of the depth values comprises computing depth derivatives on basis of the respective curvature vectors and computing the first one of the depth values on basis of a first one of the depth derivatives. Computing depth values on basis of depth derivatives is described in International Patent Application No. WO2004/066212, ~~patent application with title~~entitled "Full Depth Map Acquisition", corresponding to U.S. Patent Application Serial No. 10/542,137, filed July 12, 2005, now U.S. Patent Application Publication No. 2006/0056679. ~~This patent application has filing number EP 03100092.0 (Attorney Docket number PHNL030006).~~ For computing a first one of the depth derivatives the following applies:--.

Please amend the paragraph on page 9, lines 25-31, as follows:

-- The determining unit 402, the computing unit 403, the assigning unit 404 and the rendering unit 406 may be implemented using one processor. Normally, these functions are performed under control of a software program product. During execution, normally the software program product is loaded into a memory, like a RAM, and executed from there. The program may be loaded from a

background memory in the form of a computer-readable storage medium, like a ROM, hard disk, or magnetically and/or optical storage, or may be loaded via a network like Internet. Optionally an application specific integrated circuit provides the disclosed functionality.--.